Subwoofer Installation Instructions

Part# AMKL3J-19A014-AA
Part# VKL3Z-18808-A

Compatible with radio code ICEFS in the following vehicles:

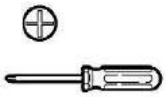
2019-present F150 CrewCab
2019-present F150 SuperCab

Rev. 20190821

Tools Required

Trim Tool

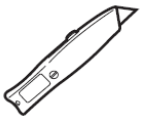
Torque Wrench


Phillips Screwdriver

Side Cutters

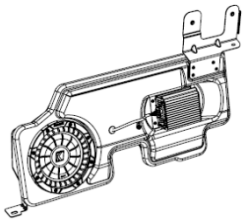
10mm
12mm
13mm
Sockets

Ratchet


Razor Knife

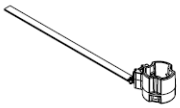
Pick Tool

A

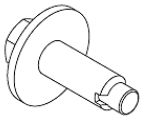


B

C



D



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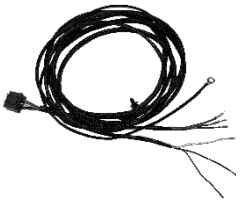

F

F

G

10x

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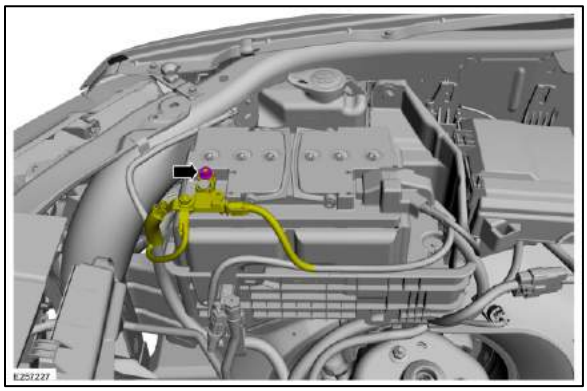
Battery Disconnect

NOTE: When the battery is disconnected and connected, some abnormal drive symptoms may occur while the vehicle relearns its adaptive strategy. The vehicle may need to be driven to allow the PCM to relearn the adaptive strategy values.

1. **NOTICE:** Be careful not to damage the battery monitoring sensor when removing the terminal from the battery post. Do not pry on the terminals or component damage may occur.

   NOTE: The following step is to interrupt power to the vehicle's electrical system. It is not necessary to disconnect the positive battery cable terminal.

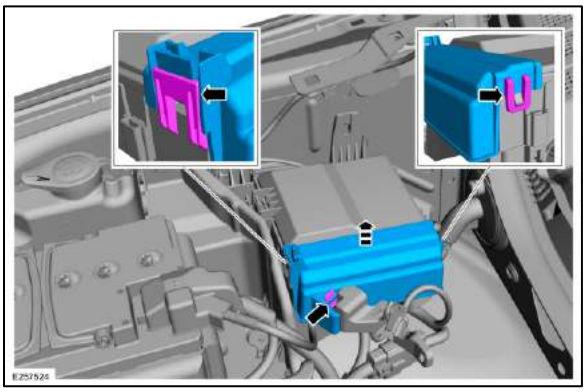
   Loosen, but do not remove the nut. Position the negative battery cable aside.
   Torque: 55 lb.in (6.2 Nm)



Power Wire Installation

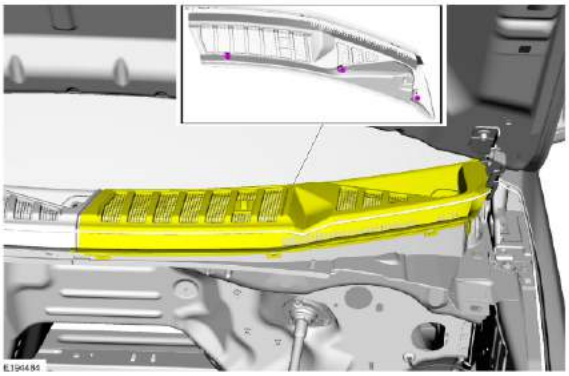
NOTE: Removal steps in this procedure may contain installation details.

2. Release the retainers and remove the battery junction box cover.

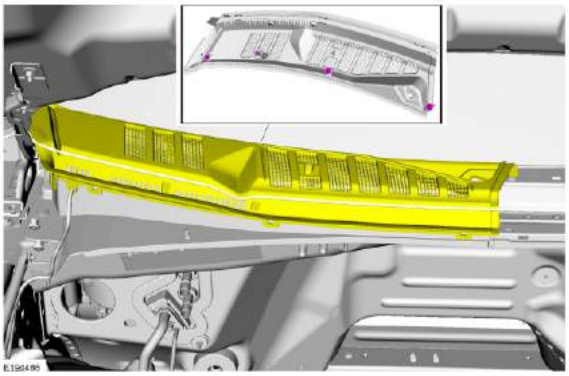


3. Lift the cowl trim panel to release the underside pin-type retainers.

   LH Side



   RH Side



4. Remove the Power Distribution Box terminal fastener indicated.

   Connect the power harness to the terminal indicated.
   Torque: 93 lb.in (10.5 Nm)

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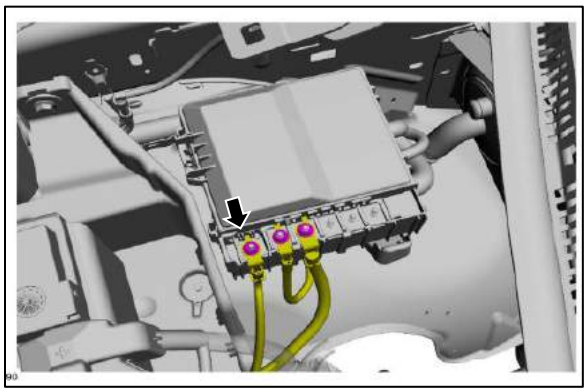
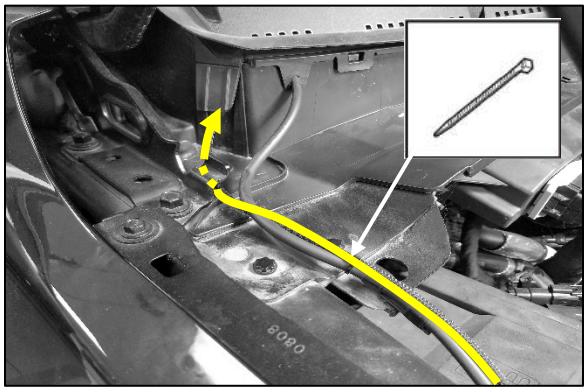
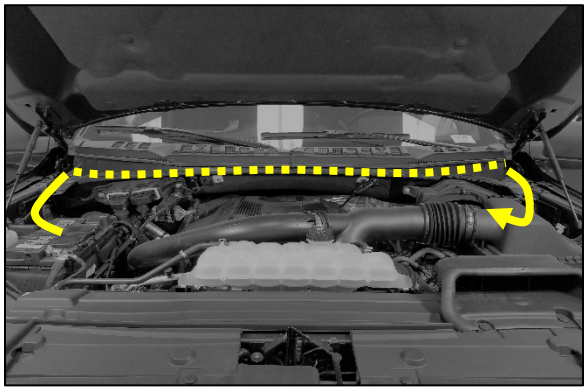


5. Route power wire up to cowl opening.

   Secure with wire ties.

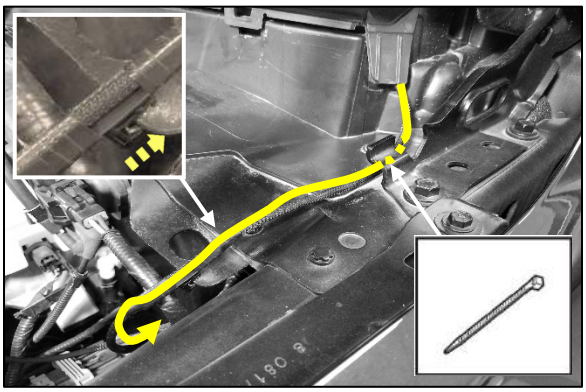


6. Route power wire under cowl trim panel and out opening on opposite side.

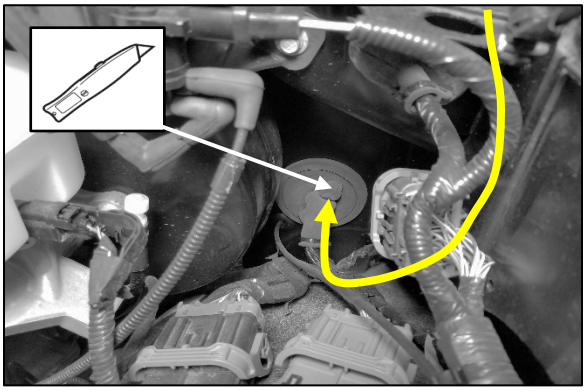


7. Route power wire under bracket and secure to sheet metal with incorporated retainer.

   NOTE: Insure hood hinge mechanism does not interfere with power wire.

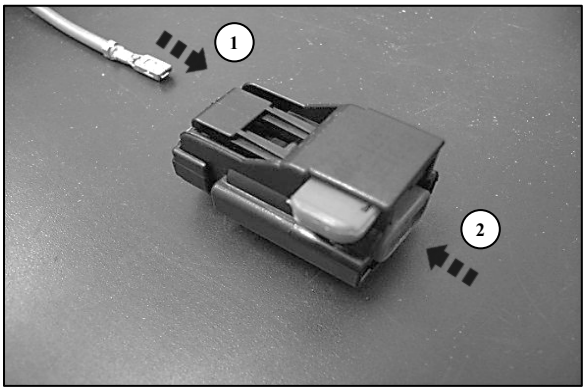


8. Make an incision in the rubber grommet and route power wire into cabin.



9. Install the power wire connector housing on the power wire.

   1. Insert wires into connector housing.
   2. Close terminal retainer cap.



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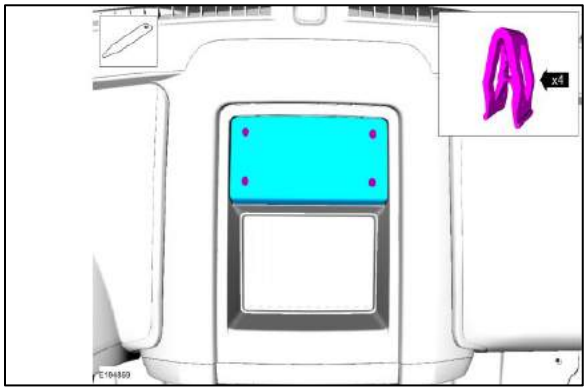
Front Controls Interface Module Removal

NOTE: Removal steps in this procedure may contain installation details.

10. Release the clips and remove the instrument panel speaker grill.

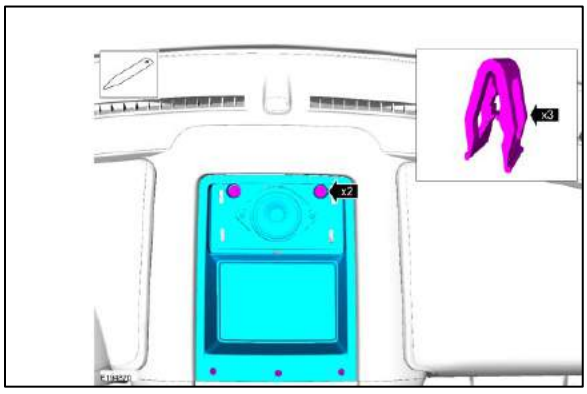
    NOTE: Models equipped without an instrument panel grill will only require the rubber liner to be removed.

    Use the General Equipment: Interior Trim Remover



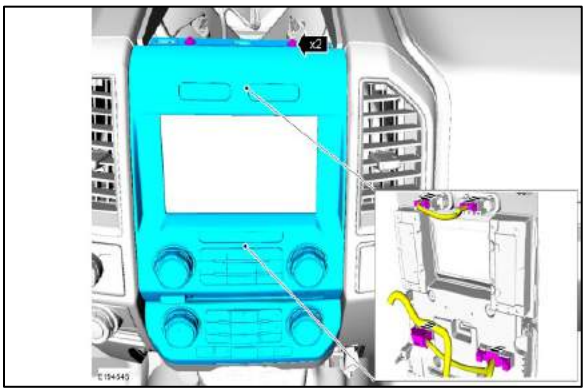
11. Remove the bolts, release the clips and remove upper instrument panel storage tray. Torque: 22 lb.in (2.5 Nm)

    NOTE: Model with instrument panel grill shown. Model without instrument panel grill similar.



12. Remove the bolts and the FCIM.

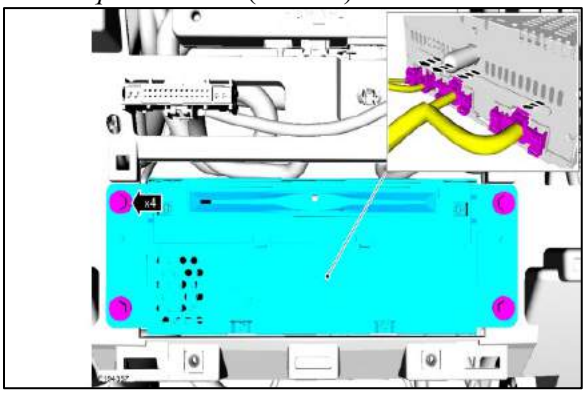
    Disconnect the electrical connectors.



Audio Front Control Module Removal

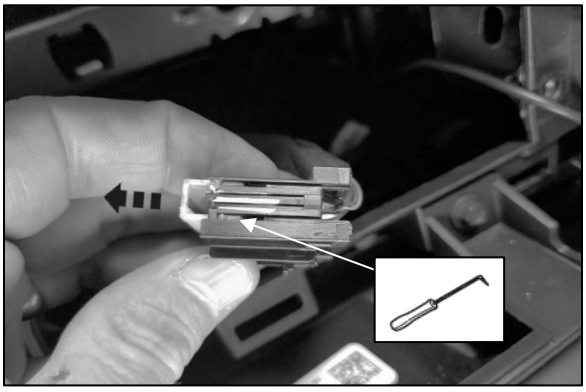
13. Remove the bolts and the ACM.

    Disconnect the electrical connectors. *Torque*: 22 lb.in (2.5 Nm)



Wire Harness Connection to ACM Connector

14. Find the 26 pin ACM connector. Using a pick tool, slide the terminal retainer out on both sides until it stops.



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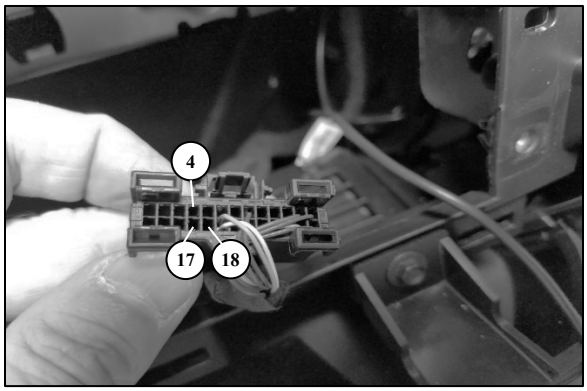
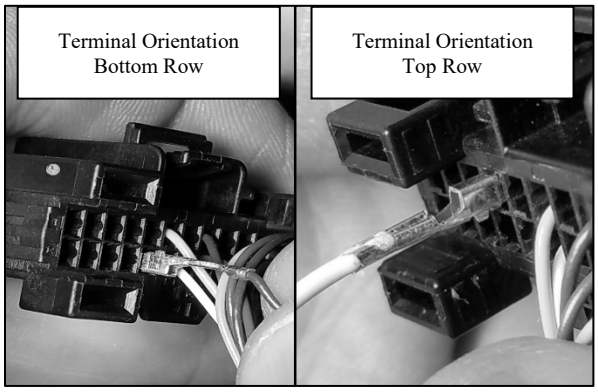
15. Find locations 4, 17, and 18 in the connector housing and verify they are not populated. If these locations are populated, discontinue installation and verify system compatibility.



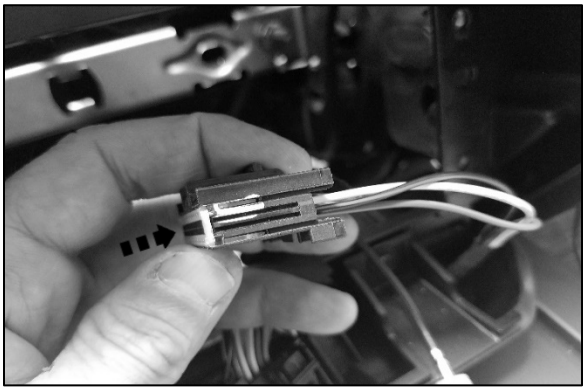
16. Insert the terminals into the connector housing.

    NOTE: Terminals will not lock into housing if they are not orientated correctly. If the terminal does not lock into housing, flip the terminal 180 degrees and re-insert.

    Location 4 – White Wire
    Location 17 – Black Wire
    Location 18 – Purple Wire



17. Press terminal retainer back into the locked position.



B-Pillar Trim Panel Removal - SuperCrew

NOTE: Removal steps in this procedure may contain installation details.

Lower B-Pillar Trim Panel

18. Remove the front door scuff plate trim panel.
    1. Release the clips and remove the front door scuff plate trim panel.
    2. If equipped. Disconnect the electrical connector.

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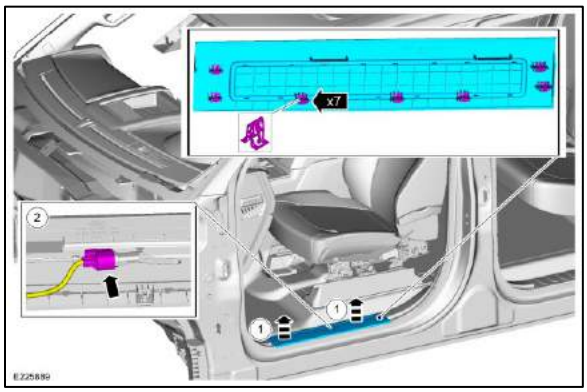
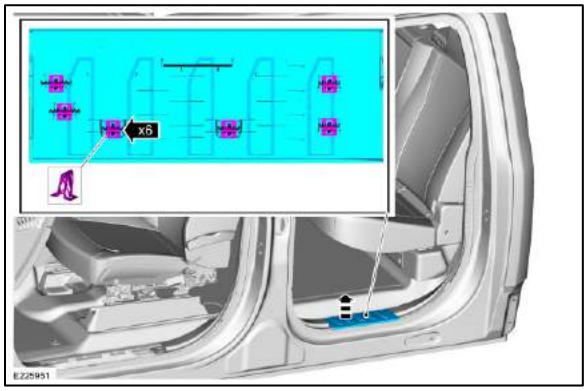


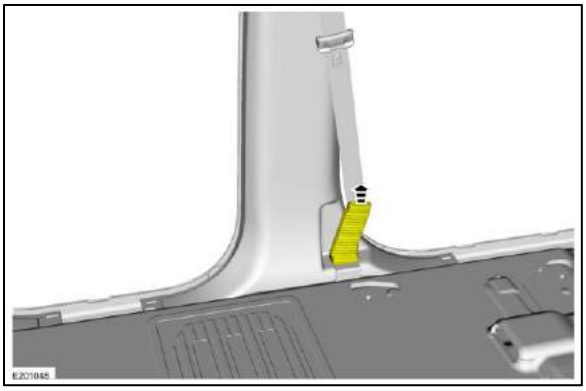
19. Release the clips and remove the rear door scuff plate trim panel.



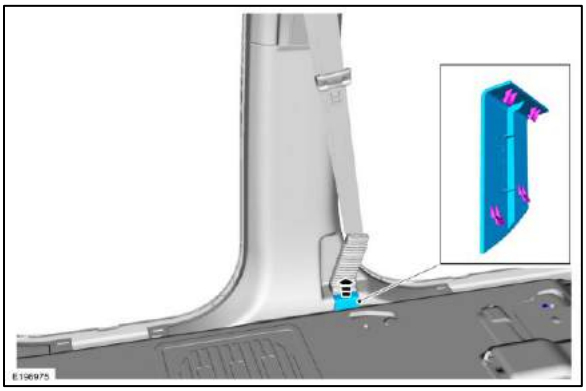
20. Position aside the front door weatherstrip.

21. Position aside the rear door weatherstrip.

22. Release the clips and disengage the safety belt pretensioner boot from the pretensioner bezel.



23. Remove the pretensioner bezel.



24. Release the clips and remove the lower B-pillar trim panel.

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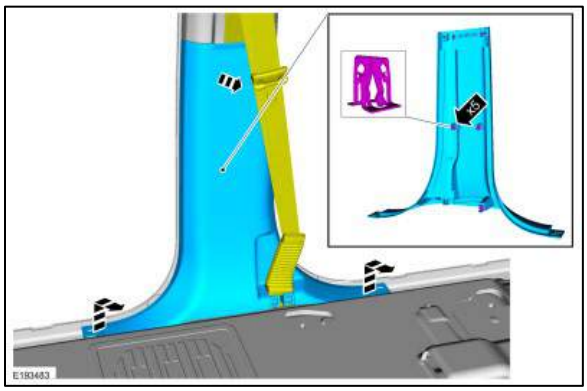
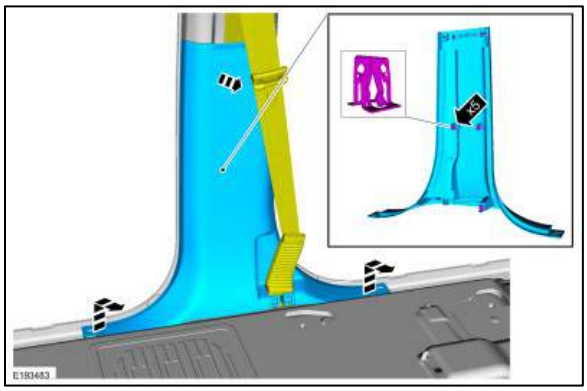


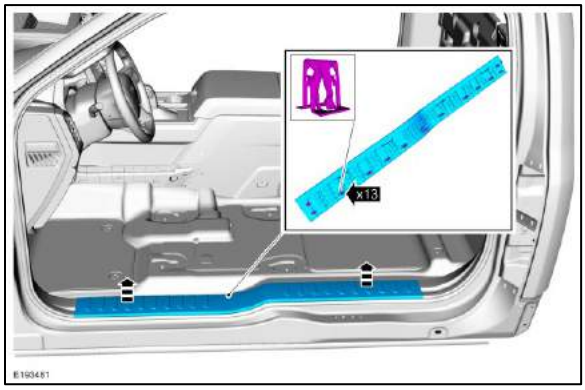


Scuff Plate Removal – Supercab

NOTE: Removal steps in this procedure may contain installation details.

25. **NOTE:** The seat is removed for clarity.

    Release the clips and remove the scuff plate trim panel.

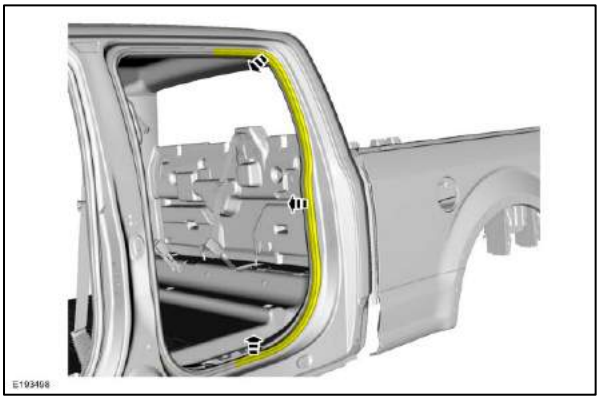


C-Pillar Trim Panel Removal

26. **NOTE:** The seat is removed for clarity.
    NOTE: Removal steps in this procedure may contain installation details.

    NOTE: During installation, make sure to attach the scuff plate trim panels at the lower B-pillar trim panel first.

27. Position aside the rear door weatherstrip.

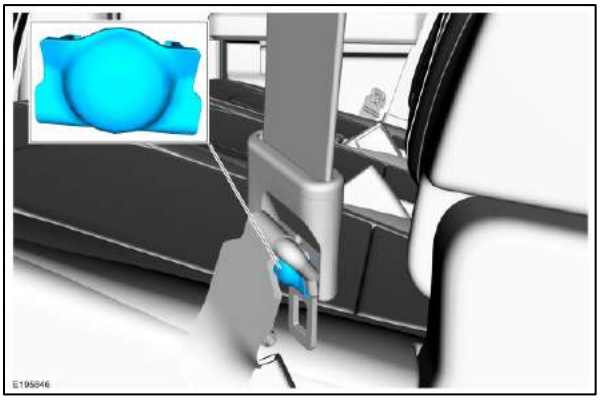


Vehicles without Inflatable Seatbelts

28. Remove the bolt and position aside the seatbelt. Torque: 30 lb.ft. (40 Nm)

Vehicles with Inflatable Seatbelts

29. Remove the bolt cover.



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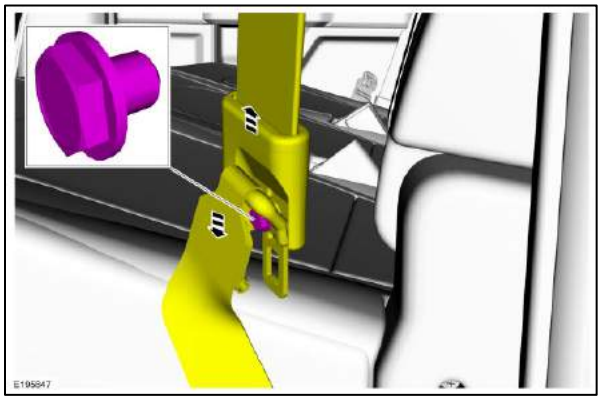
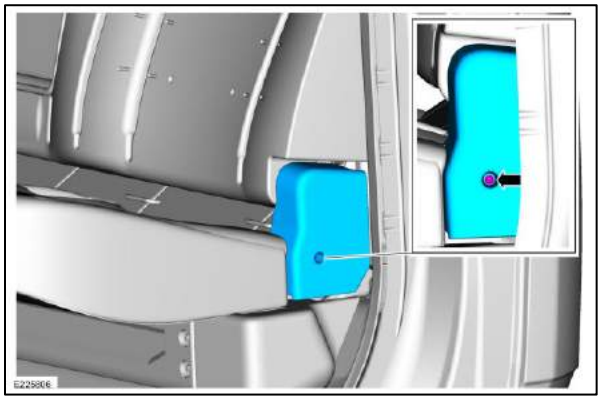
30. Remove the bolt and separate the seatbelt.
    Torque: 44 lb.in. (5 Nm)



All Vehicles

31. Remove the retainer and the outboard cushion side shield.

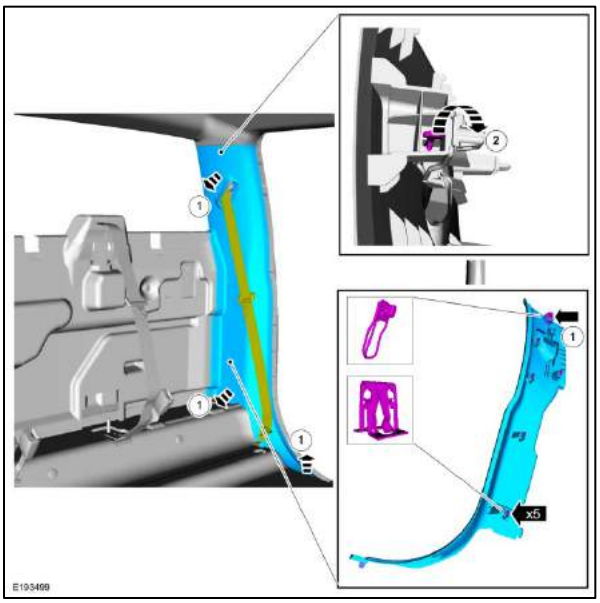


32. **NOTE:** If the tether clip is damaged during removal, a new clip must be installed prior to installation of the panel.

    NOTE: During installation make sure to install the clip by the scuff plate trim panel first and work upward on the trim panel to connect the other clips.

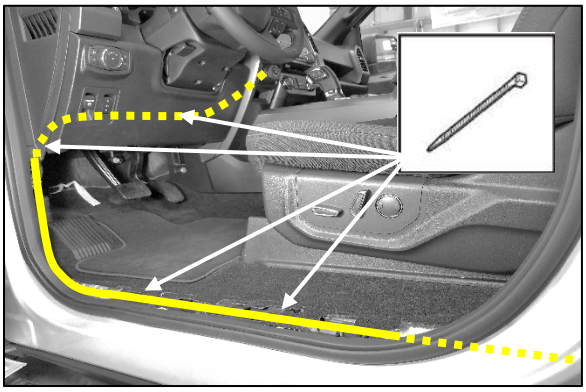
    Remove the C-pillar trim panel.

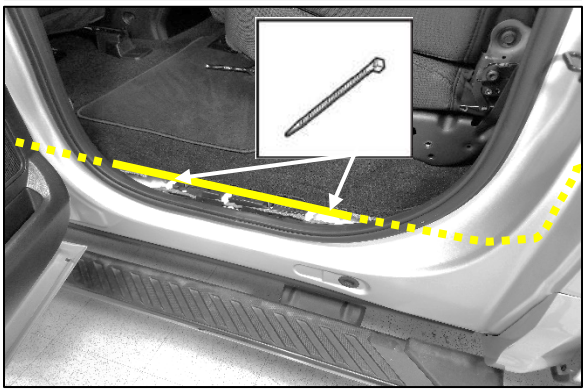
    1. Release the clips.
    2. Release the tether clip and remove the C-pillar trim panel.



33. Route wire harness down the LH side of vehicle from ACM to C-Pillar area.

    NOTE: Use supplied wire ties where needed.





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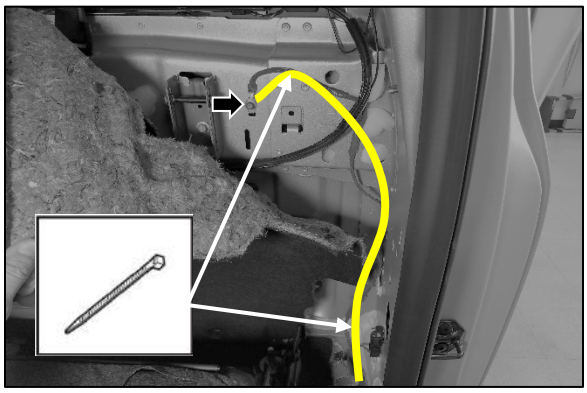
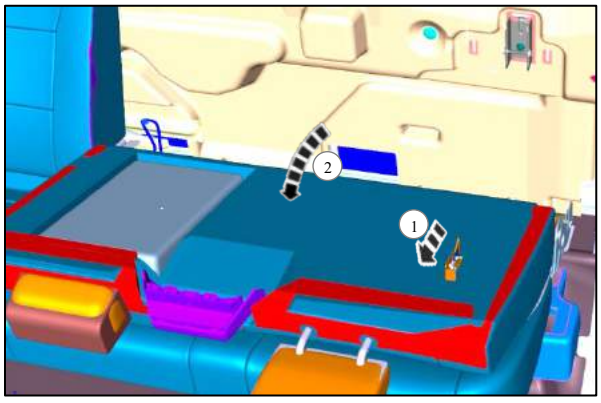


Kicker® Subwoofer Installation

NOTE: Release lever shown with seat in down position for clarity.

Fold down the rear seat.

1. Pull release lever
2. Rotate seat back forward.

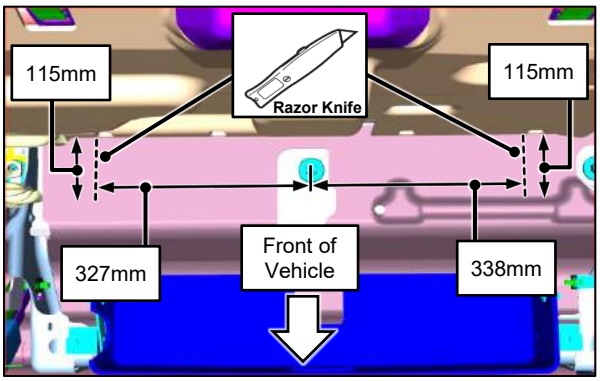


34. **NOTE:** Some vehicles may have provisions for subwoofer brackets from the factory and therefore do not require this step.

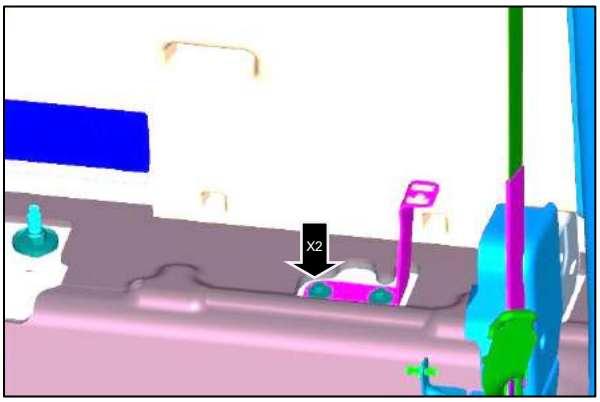
    NOTE: It is only necessary to make a cut indicated by the dotted line to allow the vertical portion of the brackets to protrude through carpeting.

    NOTE: Cuts must extend to the rear edge of carpet.

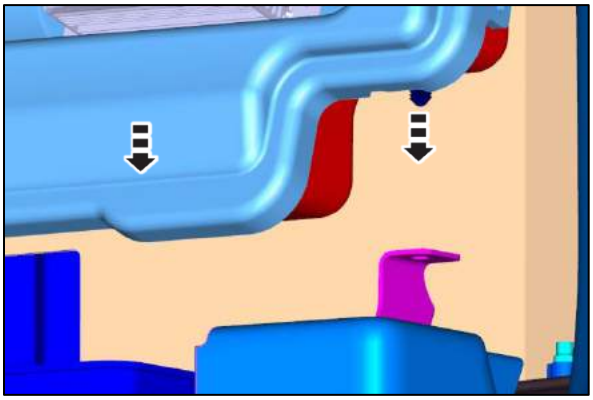
    Make measurements from the center of the seatbelt stud and from the back wall. Cut the carpet and insulation to allow it to lie over brackets once installed.



35. Install bracket. Torque: 46 lb.in. (5.2Nm)



36. Lower the subwoofer into position aligning the plastic fastener with bracket hole.



37. Install bolt. Torque: 46 lb. in. (5.2 Nm)

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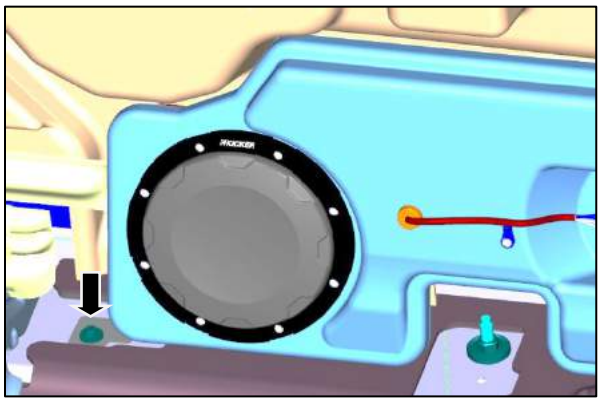
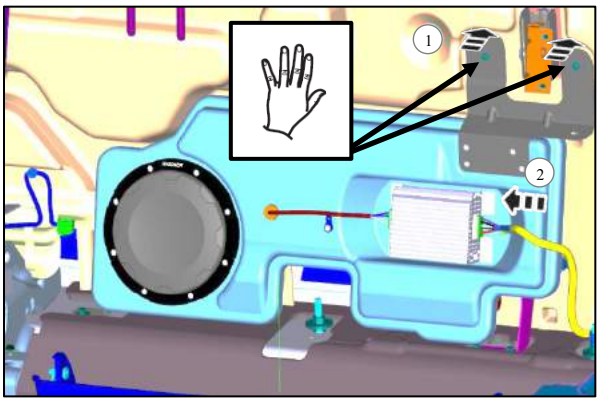
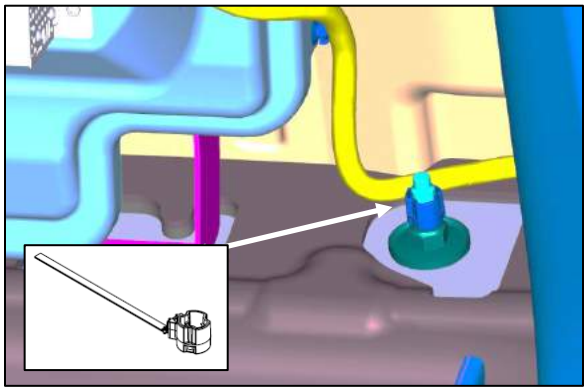




38. Install supplied retainer around harness at the position marked with blue tape. Trim the excess length of the retainer. Attach the retainer over the stud.



NOTE: Screws and metal retainers are pre-installed in upper bracket and designed to snap into sheet metal as assembled. Do not remove screws or metal retainers during installation.

39.

1. Press on upper bracket to snap metal retainers into sheet metal.
2. Connect harness to amplifier.

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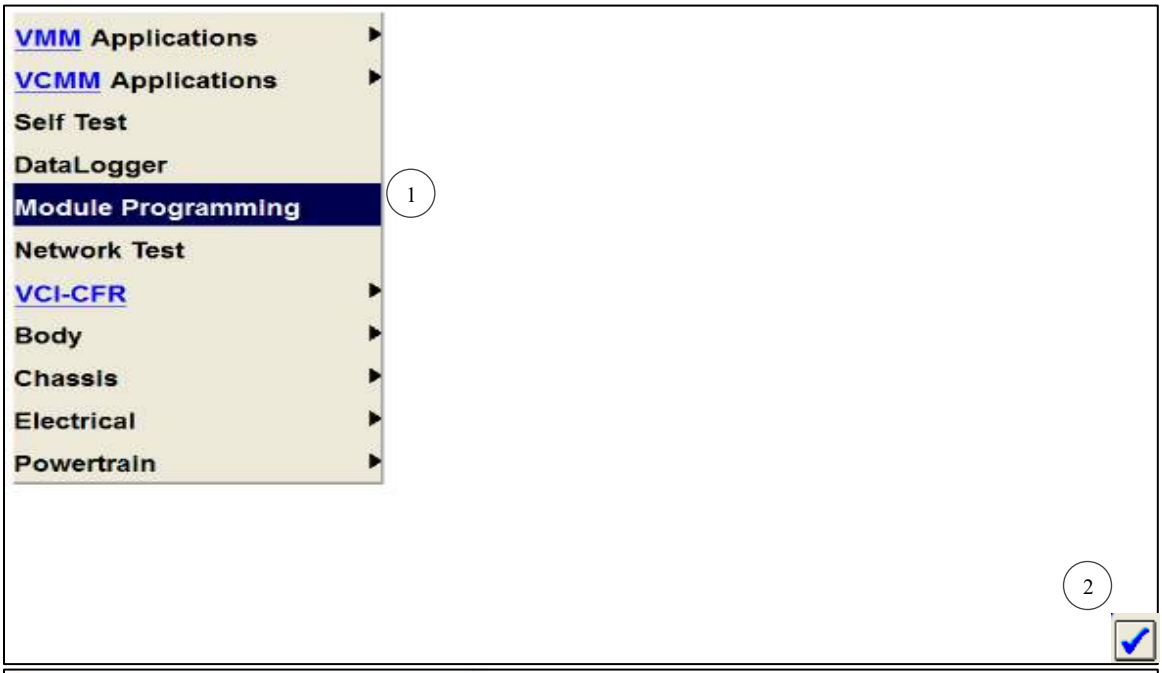
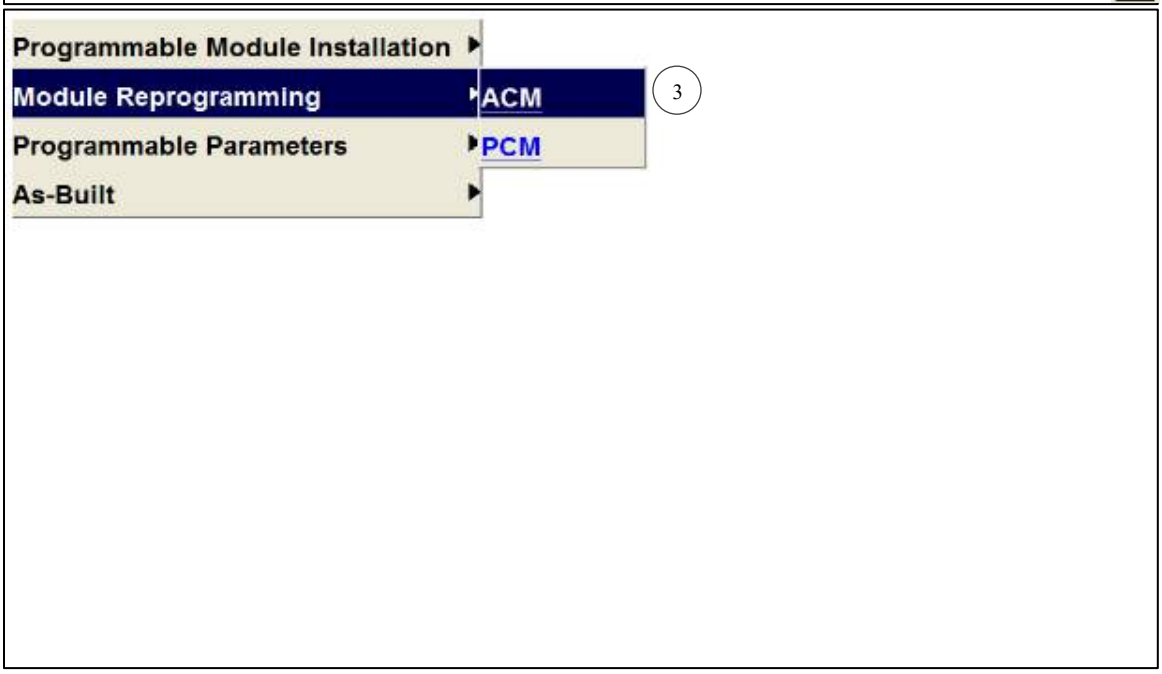
NOTE: Use IDS software version 111.56 or later.
NOTE: Enable wifi in vehicle. See owner's manual. Wifi must be enabled in vehicle and IDS tool before proceeding with programming.





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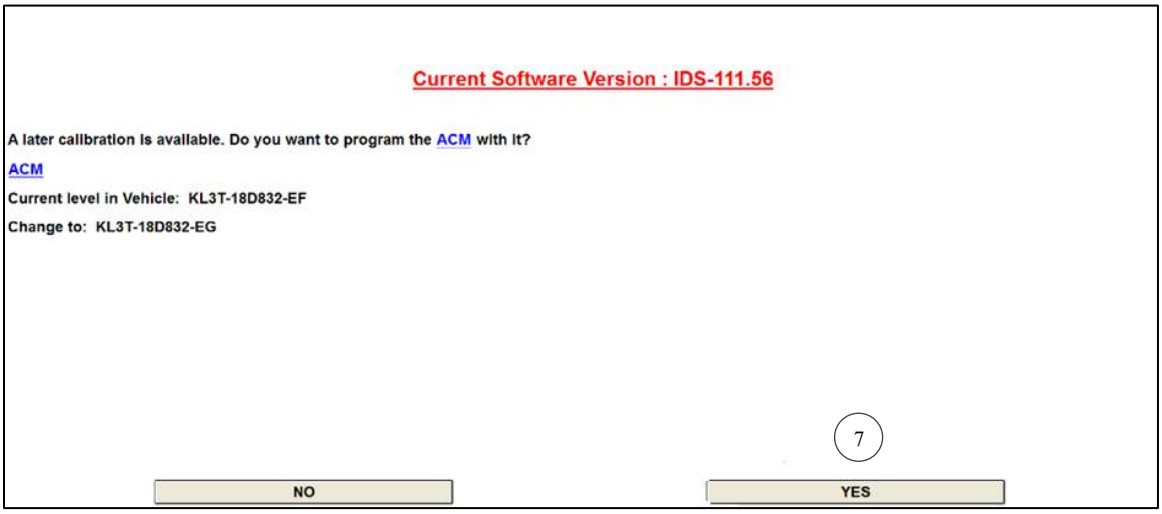
During Module Programming this module goes through a VIN verification process.
This process compares the VIN in this module with the VIN in other modules on the vehicle. You may see the VIN verification screen more than once depending upon your response to the question.
4

5. (Next Screen) Verify correct vin and click “YES”
6. (Next Screen) Select “YES for Kicker option.



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The module you are about to program has multiple internal memory locations. During programming you may see multiple bar graphs indicating the programming sequence of each memory location. Please do not disconnect any cables or turn the ignition key off unless instructed to do so by the diagnostic tester.

8

Set ignition switch to OFF (Position 0).

9

Set the ignition switch to ON.

10

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Calibration has been loaded and checked.	Network DTCs (U-codes) may have been set during programming. Operator Action Run the on-demand self-test and clear all DTCs. All CMDTCs Fix all relevant DTCs then clear codes and retest. **Note:** DTCs that start with 'U' are faults which occur during module-to-module communication. 11

Set ignition switch to OFF (Position 0). 12

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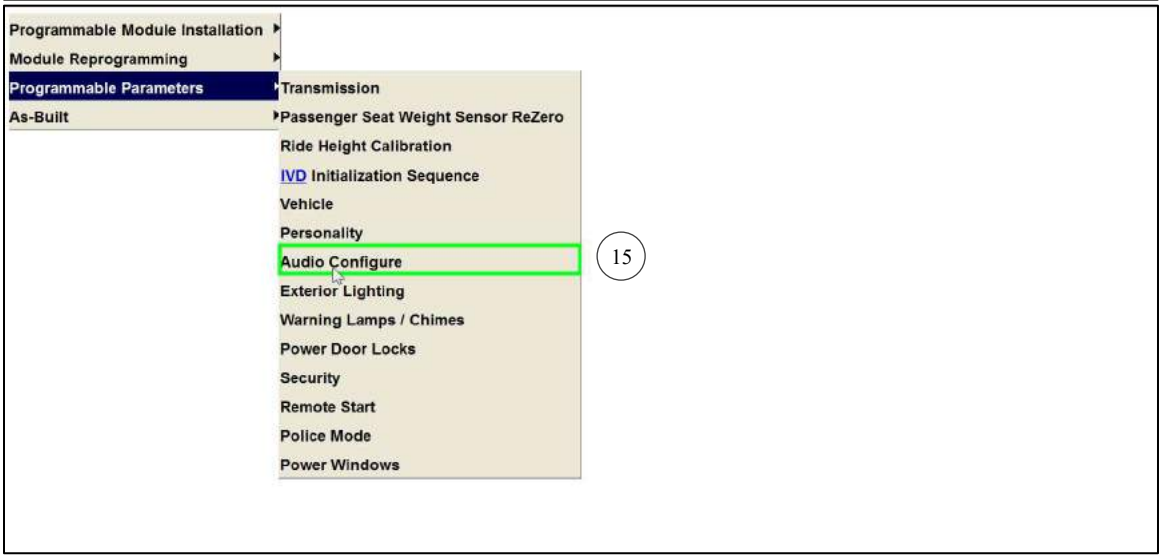
If required, obtain a reprogramming label and complete with the following information:
Note: A reprogramming label is not required on vehicles serviced in North America.
Date: 11/29/2018
PART: ACM - KL3T-18D832-EG
Place the completed label in the appropriate position.
13



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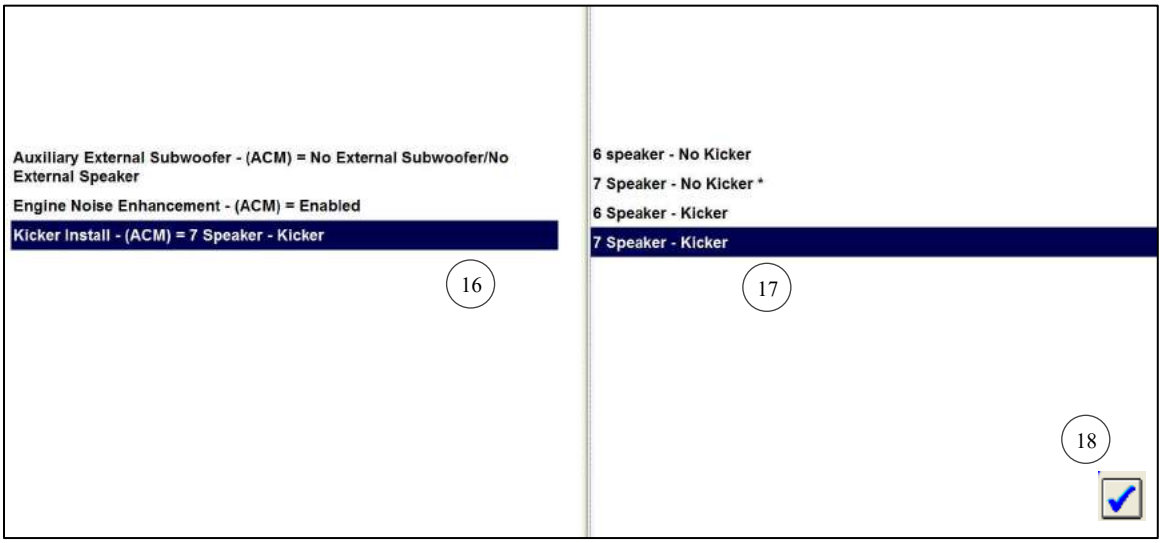
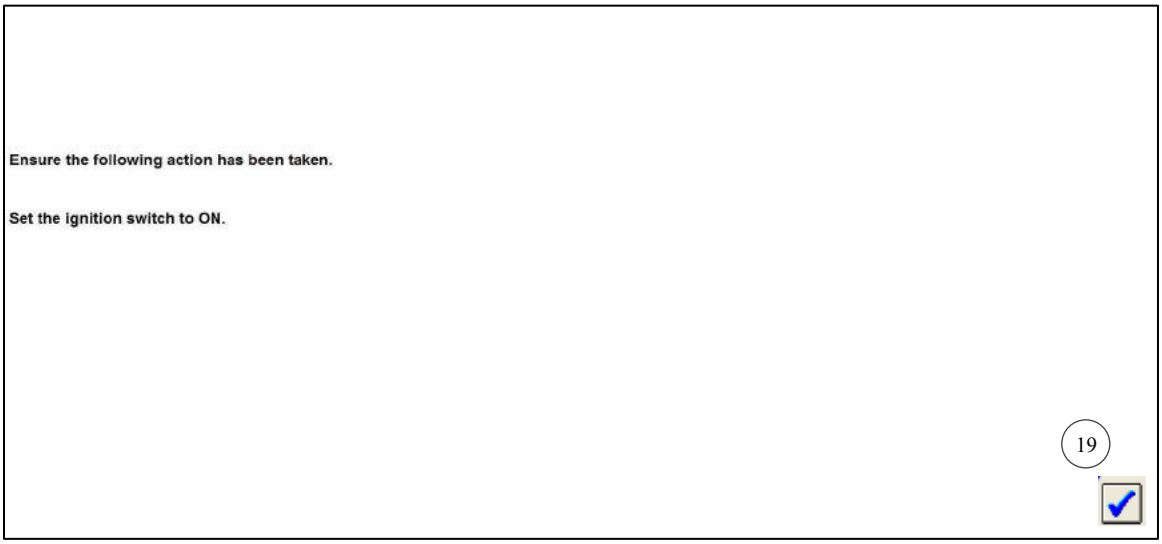
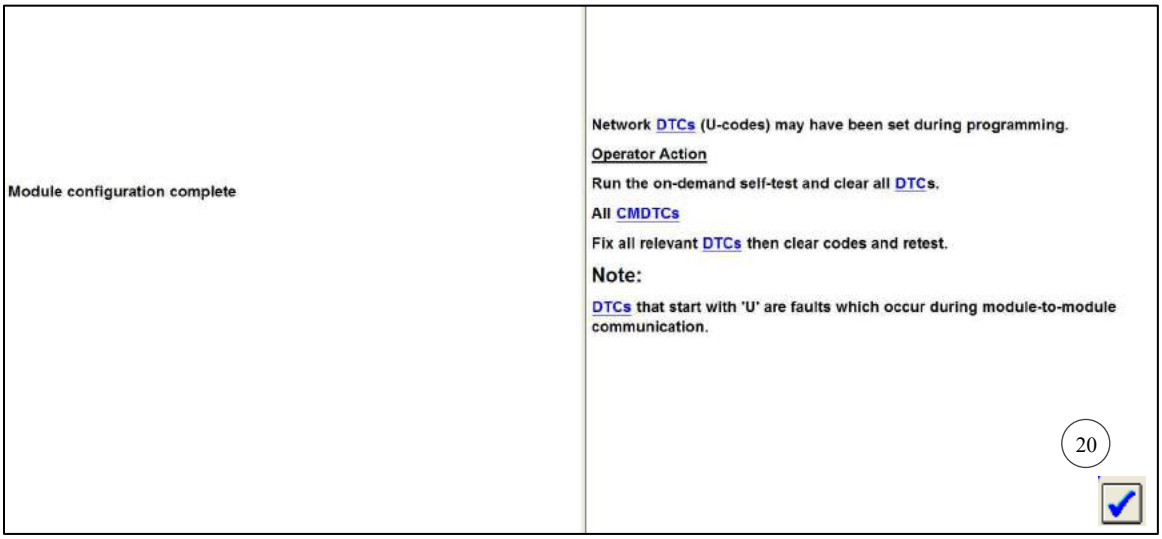

Auxiliary External Subwoofer - (ACM) = No External Subwoofer/No External Speaker
Engine Noise Enhancement - (ACM) = Enabled
Kicker Install - (ACM) = 7 Speaker - Kicker
16
6 speaker - No Kicker
7 Speaker - No Kicker *
6 Speaker - Kicker
7 Speaker - Kicker
17
18




Module configuration complete
Network DTCs (U-codes) may have been set during programming.
Operator Action
Run the on-demand self-test and clear all DTCs.
All CMDTCs
Fix all relevant DTCs then clear codes and retest.
Note:
DTCs that start with 'U' are faults which occur during module-to-module communication.
20

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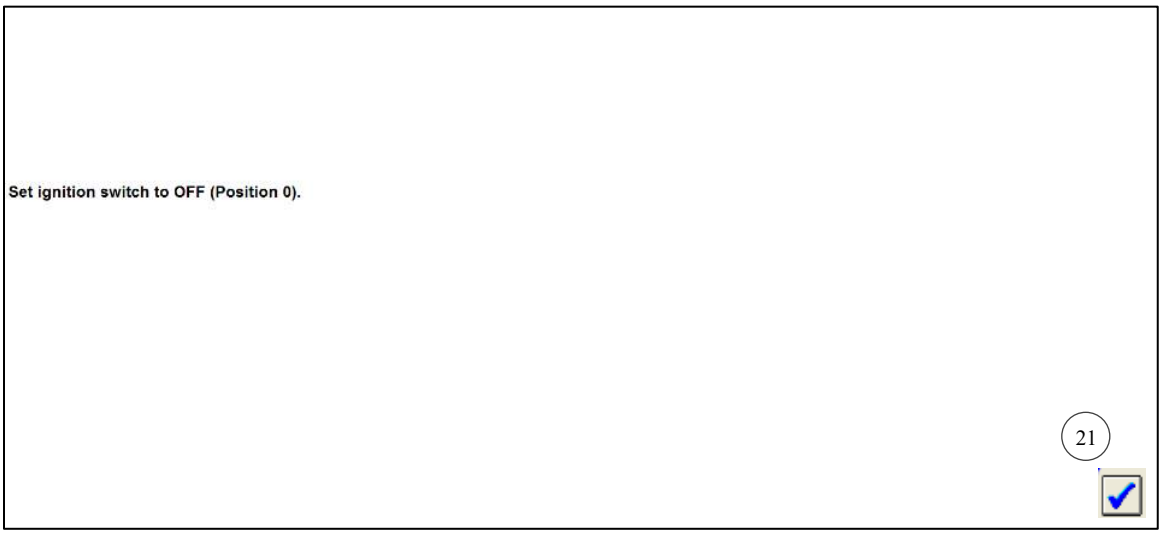
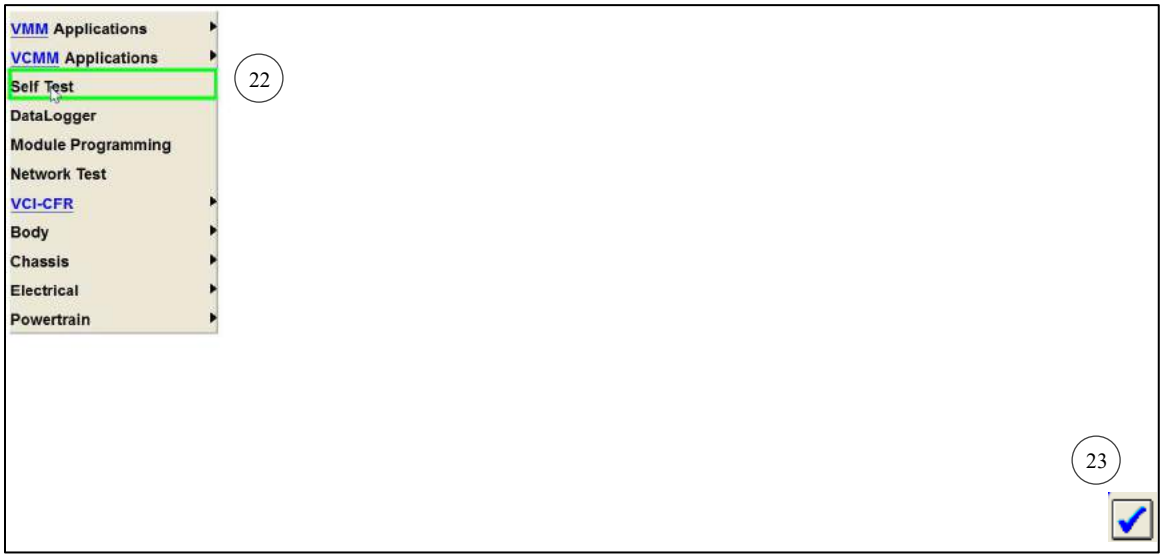


22. Click Toolbox Icon in upper left corner



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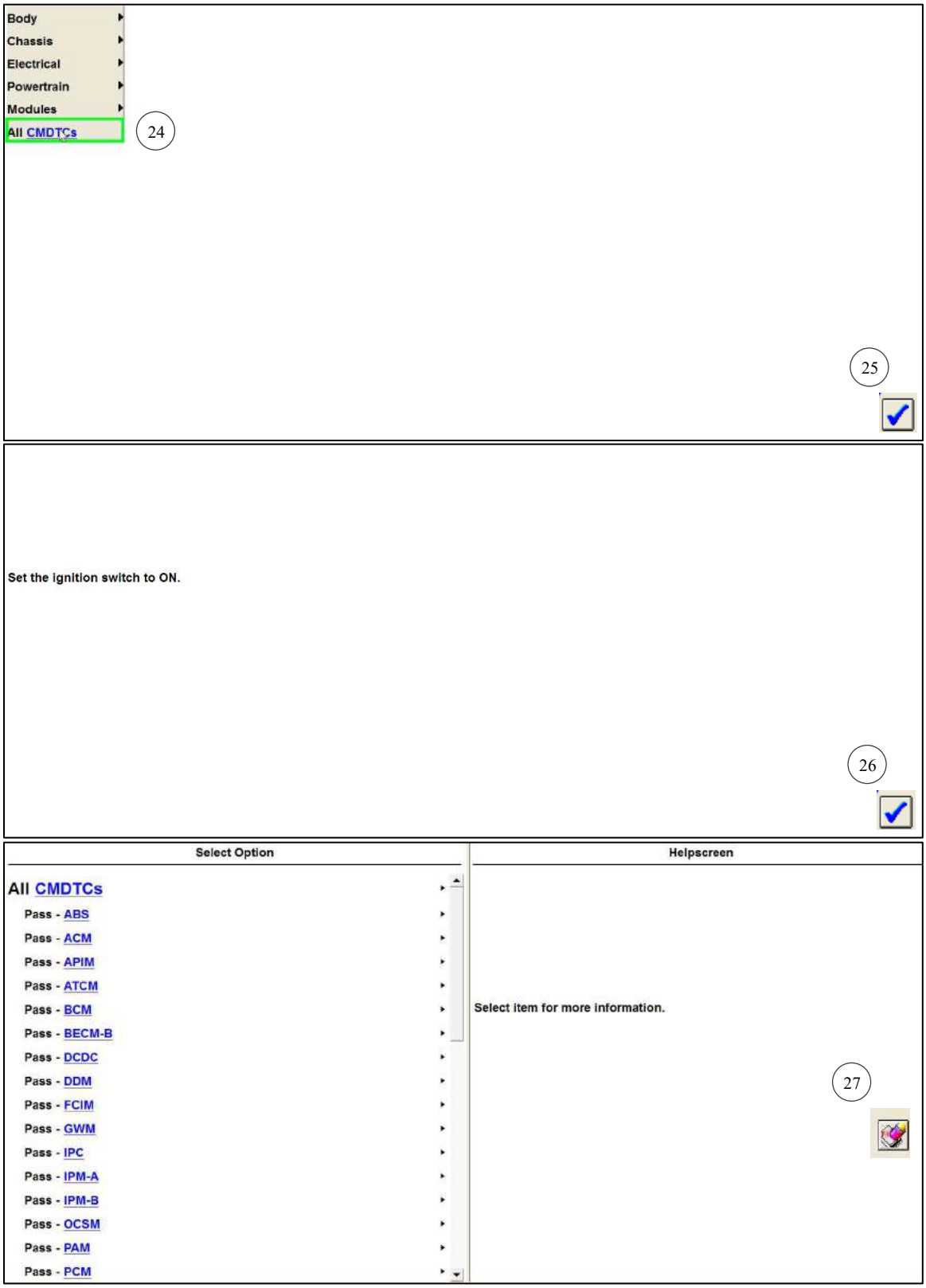

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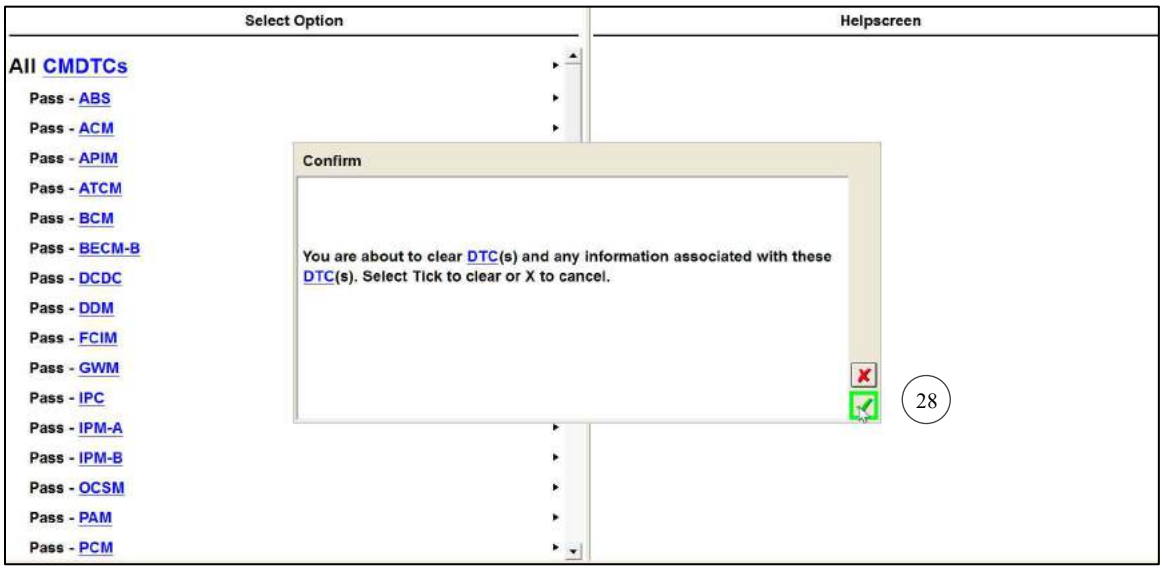

23. Reverse steps to reinstall all previously removed parts.

NOTE: During installation, make sure the seatbelt webbing is not twisted and the seatbelts and buckles are accessible to the occupants.

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